

**ABSTRACT**

A fixed guide wheel that when coupled to a saw blade or a grinding wheel provides a sawing or grinding system that will control the exact depth at which the tools are allowed to perform. The guide wheel also rolls along the top surface of the work piece pushing down on it (pinching it) while the cutting or grinding process is occurring. The guide wheel has a central bearing that carries the saw blade or grinding wheel across the surface of the stone keeping the tools centered and balanced with each other. The guide wheel is made from a rigid, low-density material that absorbs vibration that would normally transfer from the grinding wheel to the material being cut.